

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081224\  
 Data File : VV036893.D  
 Acq On : 12 Aug 2024 10:36  
 Operator : SY/MD  
 Sample : VV0812WBL01  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK368

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Title : VOC Analysis

Signal : TIC: VV036893.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.278       | 68            | 74          | 93           | rVB      | 328153         | 351231        | 12.43%          | 1.688%        |
| 2         | 1.532       | 146           | 153         | 168          | rVB      | 303380         | 357834        | 12.67%          | 1.719%        |
| 3         | 2.060       | 308           | 317         | 333          | rBV      | 565788         | 808344        | 28.62%          | 3.884%        |
| 4         | 3.391       | 728           | 731         | 736          | rBV5     | 1249           | 1159          | 0.04%           | 0.006%        |
| 5         | 3.671       | 816           | 818         | 822          | rBV5     | 1373           | 1029          | 0.04%           | 0.005%        |
| 6         | 3.796       | 848           | 857         | 890          | rBV      | 160257         | 442333        | 15.66%          | 2.125%        |
| 7         | 4.246       | 978           | 997         | 1026         | rBV      | 456249         | 1163714       | 41.20%          | 5.592%        |
| 8         | 4.571       | 1095          | 1098        | 1101         | rVV5     | 1760           | 950           | 0.03%           | 0.005%        |
| 9         | 4.879       | 1192          | 1194        | 1198         | rBV4     | 1311           | 1004          | 0.04%           | 0.005%        |
| 10        | 4.950       | 1201          | 1216        | 1251         | rBV2     | 1110791        | 2824574       | 100.00%         | 13.572%       |
| 11        | 5.143       | 1274          | 1276        | 1278         | rBV3     | 1444           | 843           | 0.03%           | 0.004%        |
| 12        | 5.275       | 1315          | 1317        | 1320         | rBV4     | 1170           | 823           | 0.03%           | 0.004%        |
| 13        | 5.359       | 1340          | 1343        | 1346         | rBV4     | 1283           | 855           | 0.03%           | 0.004%        |
| 14        | 5.532       | 1385          | 1397        | 1433         | rBV      | 818856         | 1697232       | 60.09%          | 8.155%        |
| 15        | 5.828       | 1478          | 1489        | 1512         | rBV3     | 37916          | 90657         | 3.21%           | 0.436%        |
| 16        | 5.986       | 1525          | 1538        | 1565         | rBV      | 635910         | 1327785       | 47.01%          | 6.380%        |
| 17        | 6.394       | 1661          | 1665        | 1667         | rVB5     | 1551           | 1221          | 0.04%           | 0.006%        |
| 18        | 6.429       | 1672          | 1676        | 1680         | rBV7     | 1450           | 1684          | 0.06%           | 0.008%        |
| 19        | 6.539       | 1707          | 1710        | 1716         | rVB7     | 1208           | 1196          | 0.04%           | 0.006%        |
| 20        | 6.600       | 1727          | 1729        | 1734         | rVB5     | 1198           | 872           | 0.03%           | 0.004%        |
| 21        | 6.629       | 1734          | 1738        | 1740         | rBV4     | 1393           | 978           | 0.03%           | 0.005%        |
| 22        | 6.645       | 1740          | 1743        | 1747         | rBV5     | 1763           | 1274          | 0.05%           | 0.006%        |
| 23        | 6.748       | 1771          | 1775        | 1779         | rBV7     | 1455           | 1445          | 0.05%           | 0.007%        |
| 24        | 6.796       | 1787          | 1790        | 1791         | rBV2     | 2079           | 1223          | 0.04%           | 0.006%        |
| 25        | 6.912       | 1816          | 1826        | 1859         | rVV      | 352379         | 679340        | 24.05%          | 3.264%        |
| 26        | 7.239       | 1916          | 1928        | 1958         | rBV      | 1228293        | 2153279       | 76.23%          | 10.346%       |
| 27        | 7.506       | 2009          | 2011        | 2015         | rVB5     | 1539           | 1050          | 0.04%           | 0.005%        |
| 28        | 7.551       | 2015          | 2025        | 2055         | rBV      | 225883         | 433937        | 15.36%          | 2.085%        |
| 29        | 7.857       | 2119          | 2120        | 2127         | rVB7     | 1317           | 951           | 0.03%           | 0.005%        |
| 30        | 8.027       | 2164          | 2173        | 2208         | rBV2     | 418537         | 935000        | 33.10%          | 4.493%        |
| 31        | 8.506       | 2318          | 2322        | 2326         | rVB6     | 1070           | 976           | 0.03%           | 0.005%        |
| 32        | 8.667       | 2368          | 2372        | 2375         | rVB6     | 1473           | 1147          | 0.04%           | 0.006%        |
| 33        | 8.780       | 2395          | 2407        | 2435         | rBV      | 1249827        | 2055416       | 72.77%          | 9.876%        |
| 34        | 8.953       | 2456          | 2461        | 2462         | rBV5     | 2292           | 2126          | 0.08%           | 0.010%        |
| 35        | 9.050       | 2489          | 2491        | 2494         | rBV3     | 1444           | 1085          | 0.04%           | 0.005%        |
| 36        | 9.236       | 2546          | 2549        | 2551         | rBV4     | 2038           | 883           | 0.03%           | 0.004%        |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 9.339  | 2574 | 2581 | 2586 | rBV8 | 1591    | 2356    | 0.08%  | 0.011%  |
| 38 | 9.455  | 2613 | 2617 | 2619 | rBV4 | 1655    | 825     | 0.03%  | 0.004%  |
| 39 | 9.471  | 2619 | 2622 | 2623 | rBV3 | 1370    | 820     | 0.03%  | 0.004%  |
| 40 | 9.574  | 2650 | 2654 | 2657 | rBV5 | 1469    | 1259    | 0.04%  | 0.006%  |
| 41 | 9.664  | 2679 | 2682 | 2685 | rVV5 | 1641    | 1100    | 0.04%  | 0.005%  |
| 42 | 9.722  | 2696 | 2700 | 2704 | rBV6 | 1679    | 1760    | 0.06%  | 0.008%  |
| 43 | 9.754  | 2708 | 2710 | 2714 | rVB3 | 1168    | 845     | 0.03%  | 0.004%  |
| 44 | 9.828  | 2730 | 2733 | 2737 | rBV5 | 1217    | 942     | 0.03%  | 0.005%  |
| 45 | 9.866  | 2737 | 2745 | 2746 | rBV6 | 2479    | 2616    | 0.09%  | 0.013%  |
| 46 | 10.005 | 2784 | 2788 | 2789 | rBV4 | 1580    | 983     | 0.03%  | 0.005%  |
| 47 | 10.053 | 2800 | 2803 | 2806 | rBV5 | 1542    | 975     | 0.03%  | 0.005%  |
| 48 | 10.146 | 2820 | 2832 | 2856 | rBV  | 727224  | 1163883 | 41.21% | 5.592%  |
| 49 | 10.284 | 2872 | 2875 | 2878 | rVB5 | 1762    | 1145    | 0.04%  | 0.006%  |
| 50 | 10.313 | 2878 | 2884 | 2890 | rBV8 | 2219    | 3358    | 0.12%  | 0.016%  |
| 51 | 10.400 | 2907 | 2911 | 2913 | rBV5 | 1999    | 1340    | 0.05%  | 0.006%  |
| 52 | 10.439 | 2920 | 2923 | 2926 | rBV5 | 1274    | 878     | 0.03%  | 0.004%  |
| 53 | 10.471 | 2926 | 2933 | 2935 | rBV7 | 3148    | 2684    | 0.10%  | 0.013%  |
| 54 | 10.484 | 2935 | 2937 | 2941 | rVB5 | 2432    | 1433    | 0.05%  | 0.007%  |
| 55 | 10.542 | 2950 | 2955 | 2958 | rBV7 | 1771    | 1667    | 0.06%  | 0.008%  |
| 56 | 10.564 | 2958 | 2962 | 2967 | rVV7 | 1601    | 1929    | 0.07%  | 0.009%  |
| 57 | 10.664 | 2991 | 2993 | 2997 | rVB4 | 1821    | 1475    | 0.05%  | 0.007%  |
| 58 | 10.690 | 2997 | 3001 | 3004 | rBV4 | 1020    | 822     | 0.03%  | 0.004%  |
| 59 | 10.725 | 3008 | 3012 | 3016 | rVB6 | 1785    | 1170    | 0.04%  | 0.006%  |
| 60 | 10.783 | 3028 | 3030 | 3032 | rBV2 | 1707    | 999     | 0.04%  | 0.005%  |
| 61 | 10.857 | 3048 | 3053 | 3055 | rBV5 | 2412    | 2126    | 0.08%  | 0.010%  |
| 62 | 11.014 | 3098 | 3102 | 3105 | rBV5 | 961     | 803     | 0.03%  | 0.004%  |
| 63 | 11.066 | 3114 | 3118 | 3121 | rBV5 | 1061    | 852     | 0.03%  | 0.004%  |
| 64 | 11.120 | 3130 | 3135 | 3136 | rBV5 | 3565    | 2706    | 0.10%  | 0.013%  |
| 65 | 11.178 | 3143 | 3153 | 3188 | rBV  | 1290651 | 2061417 | 72.98% | 9.905%  |
| 66 | 11.487 | 3246 | 3249 | 3252 | rVB4 | 2198    | 1177    | 0.04%  | 0.006%  |
| 67 | 11.554 | 3258 | 3270 | 3299 | rBV  | 1339406 | 2133541 | 75.53% | 10.251% |
| 68 | 11.924 | 3382 | 3385 | 3386 | rBV2 | 1683    | 1101    | 0.04%  | 0.005%  |
| 69 | 11.950 | 3391 | 3393 | 3395 | rVV3 | 1583    | 876     | 0.03%  | 0.004%  |
| 70 | 11.966 | 3395 | 3398 | 3400 | rVV4 | 1612    | 1289    | 0.05%  | 0.006%  |
| 71 | 11.988 | 3403 | 3405 | 3408 | rVV4 | 1404    | 802     | 0.03%  | 0.004%  |
| 72 | 12.024 | 3411 | 3416 | 3418 | rBV5 | 1365    | 1186    | 0.04%  | 0.006%  |
| 73 | 12.056 | 3423 | 3426 | 3429 | rVV4 | 1848    | 1388    | 0.05%  | 0.007%  |
| 74 | 12.091 | 3433 | 3437 | 3439 | rVV4 | 1057    | 910     | 0.03%  | 0.004%  |
| 75 | 12.172 | 3459 | 3462 | 3464 | rBV4 | 1725    | 1245    | 0.04%  | 0.006%  |
| 76 | 12.188 | 3464 | 3467 | 3472 | rBV6 | 1614    | 1104    | 0.04%  | 0.005%  |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK368

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |      |       |       |        |
|-----|--------|------|------|------|------|------|-------|-------|--------|
| 77  | 12.400 | 3529 | 3533 | 3535 | rVB5 | 1352 | 965   | 0.03% | 0.005% |
| 78  | 12.468 | 3548 | 3554 | 3556 | rBV6 | 1797 | 1448  | 0.05% | 0.007% |
| 79  | 12.587 | 3586 | 3591 | 3594 | rBV6 | 3741 | 3693  | 0.13% | 0.018% |
| 80  | 12.828 | 3662 | 3666 | 3668 | rBV5 | 1635 | 1129  | 0.04% | 0.005% |
| 81  | 12.931 | 3695 | 3698 | 3701 | rVB5 | 1592 | 1328  | 0.05% | 0.006% |
| 82  | 12.956 | 3701 | 3706 | 3707 | rBV3 | 1906 | 1362  | 0.05% | 0.007% |
| 83  | 12.972 | 3708 | 3711 | 3715 | rVV6 | 1260 | 1220  | 0.04% | 0.006% |
| 84  | 13.030 | 3725 | 3729 | 3731 | rBV5 | 1383 | 1145  | 0.04% | 0.006% |
| 85  | 13.066 | 3737 | 3740 | 3745 | rVB6 | 1867 | 1602  | 0.06% | 0.008% |
| 86  | 13.120 | 3753 | 3757 | 3760 | rBV5 | 1928 | 1517  | 0.05% | 0.007% |
| 87  | 13.159 | 3764 | 3769 | 3773 | rBV7 | 1428 | 1372  | 0.05% | 0.007% |
| 88  | 13.207 | 3773 | 3784 | 3790 | rBV7 | 5997 | 10020 | 0.35% | 0.048% |
| 89  | 13.271 | 3800 | 3804 | 3807 | rBV5 | 1215 | 969   | 0.03% | 0.005% |
| 90  | 13.455 | 3852 | 3861 | 3869 | rBV4 | 7450 | 14352 | 0.51% | 0.069% |
| 91  | 13.567 | 3893 | 3896 | 3899 | rVV4 | 1213 | 884   | 0.03% | 0.004% |
| 92  | 13.648 | 3914 | 3921 | 3924 | rBV7 | 1865 | 2215  | 0.08% | 0.011% |
| 93  | 13.805 | 3966 | 3970 | 3974 | rBV6 | 1043 | 1297  | 0.05% | 0.006% |
| 94  | 13.860 | 3984 | 3987 | 3989 | rBV3 | 1817 | 1250  | 0.04% | 0.006% |
| 95  | 13.876 | 3989 | 3992 | 3995 | rVV4 | 1350 | 939   | 0.03% | 0.005% |
| 96  | 13.982 | 4019 | 4025 | 4030 | rBV6 | 2941 | 4070  | 0.14% | 0.020% |
| 97  | 14.152 | 4074 | 4078 | 4081 | rBV5 | 1205 | 1231  | 0.04% | 0.006% |
| 98  | 14.525 | 4191 | 4194 | 4197 | rBV5 | 1282 | 951   | 0.03% | 0.005% |
| 99  | 14.558 | 4202 | 4204 | 4206 | rBV3 | 1538 | 866   | 0.03% | 0.004% |
| 100 | 14.625 | 4223 | 4225 | 4231 | rVB6 | 1231 | 994   | 0.04% | 0.005% |

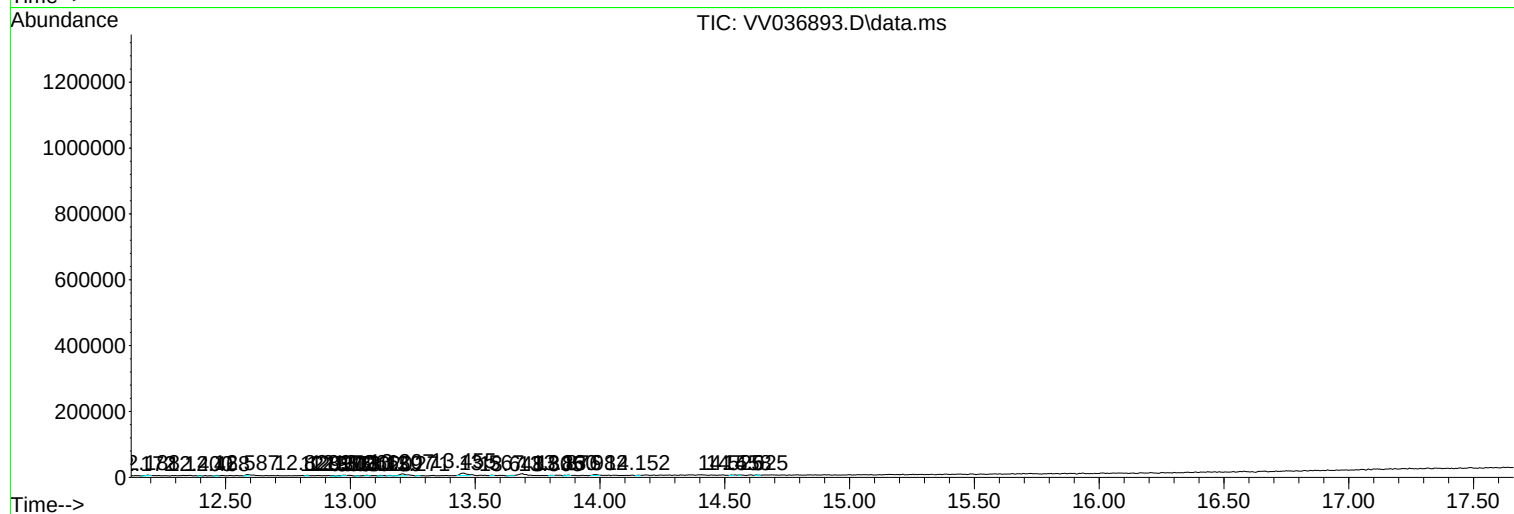
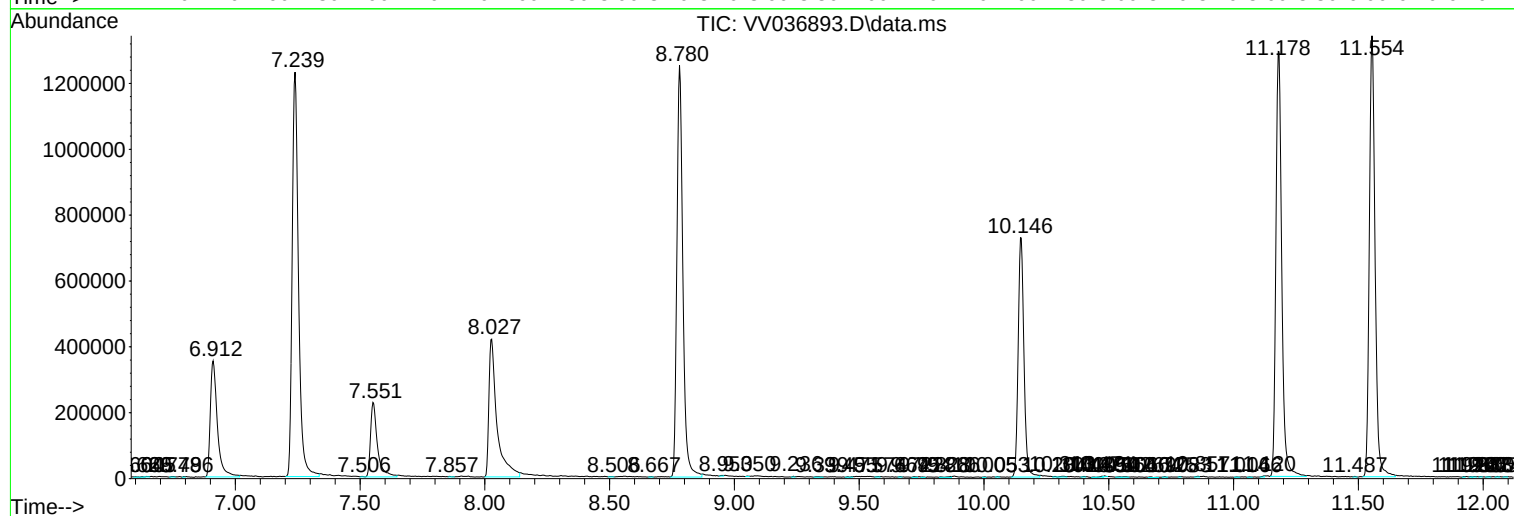
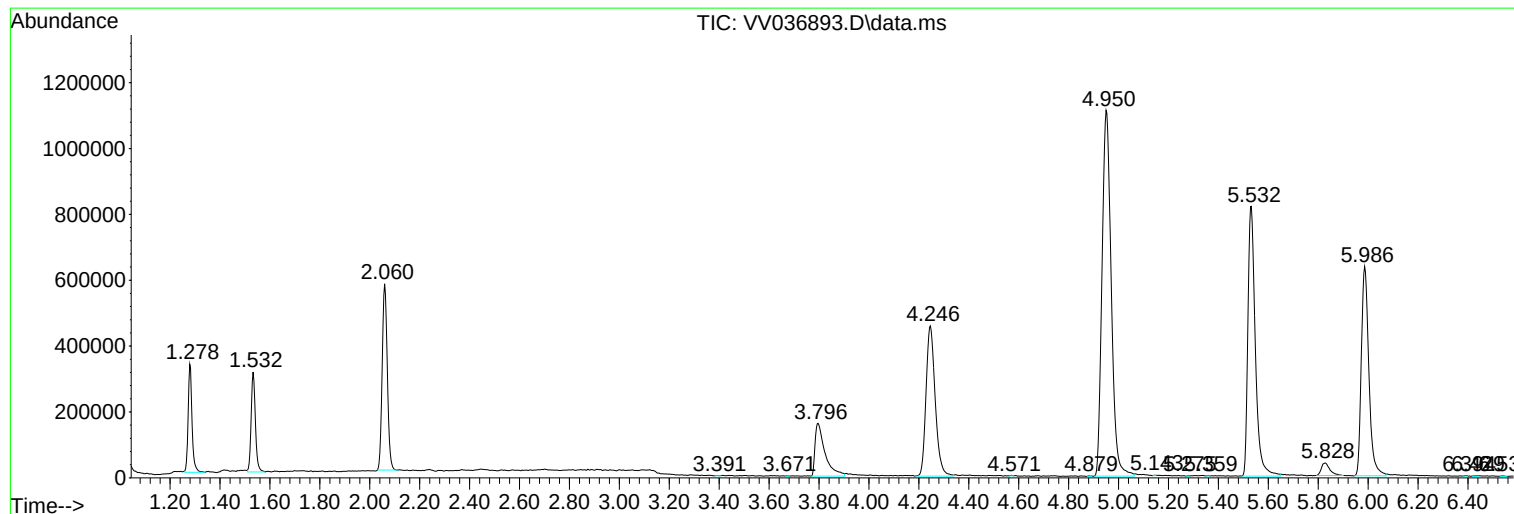
Sum of corrected areas: 20812056

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Instrument :  
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VBLK368

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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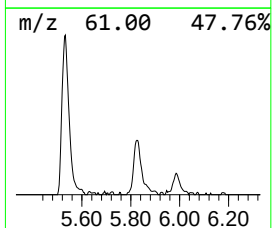
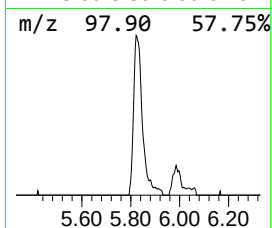
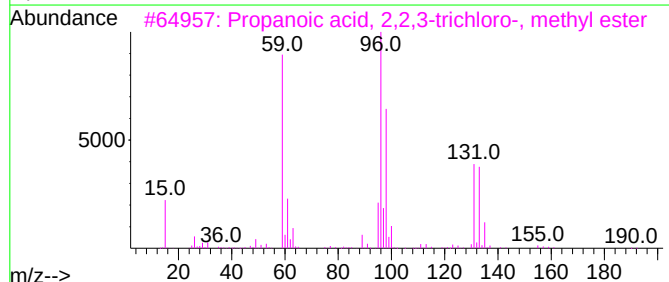
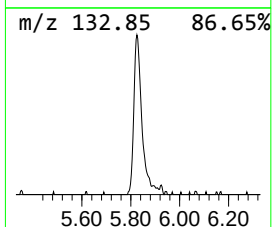
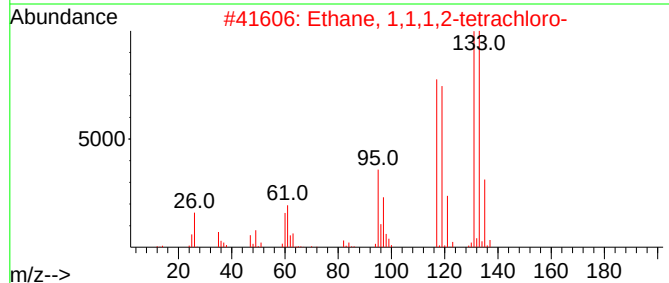
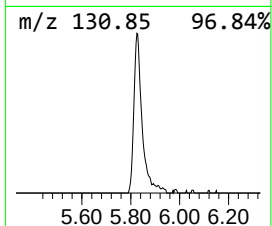
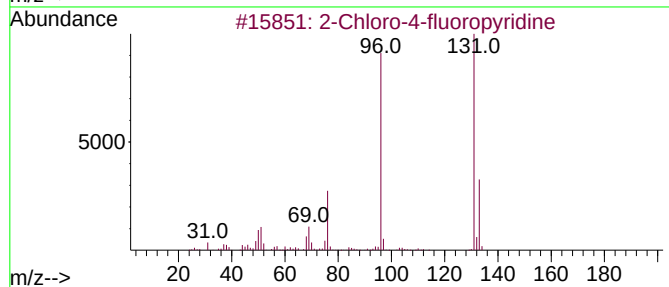
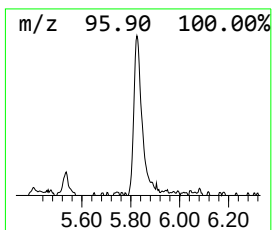
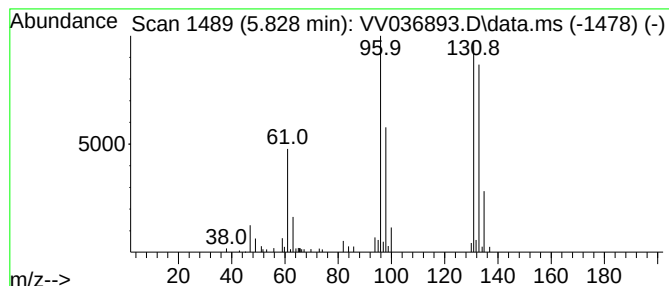
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.828 | 2.67 ug/L | 90657 | 1,4-Difluorobenzene | 5.532 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2-Chloro-4-fluoropyridine           | 131 | C5H3ClFN  | 1000484-44-8 | 43   |
| 2    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6  | 37   |
| 3    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 37   |
| 4    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 35   |
| 5    |    |   | 4-Chloro-3-fluoropyridine           | 131 | C5H3ClFN  | 002546-56-7  | 32   |



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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01       | 5.828 | 2.7     | ug/L  | 90657    | 1                     | 5.532 | 1697230 | 50.0 |